



# SPECIFICATIONS UB12Se

## FEATURES

- Ultra-compact two-way system
- 5.25-in LF/1-in tweeter
- Magnetically shielded for use with video monitors
- High output, high definition sound from an ultracompact enclosure

## DESCRIPTION

Despite its compact size, the UB12Se will faithfully deliver high output, high definition sound for a wide variety of professional applications. All system elements, including drivers, crossover/filter components, and the enclosures themselves are designed to meet EAW's rigorous standards for reliability and durability.

The system operates in fully passive mode with an internal passive crossover/filter network both dividing the signal and providing critical equalization functions.

UB12Se's are available as matched pairs of left and right side enclosures for ultimate accuracy in reproducing the audio imaging. Each UB12Se includes a robust 5.25-in woofer mounted in an optimally vented enclosure and a 1-in soft dome tweeter specifically designed to provide smooth, studio-quality high frequency reproduction.

## APPLICATION

As a stand alone system, the UB12Se delivers full range output at surprisingly high levels with flat response for a wide range of professional audio applications including multimedia production and presentation, corporate audio/visual systems, retail spaces, project recording studio, and home theaters.

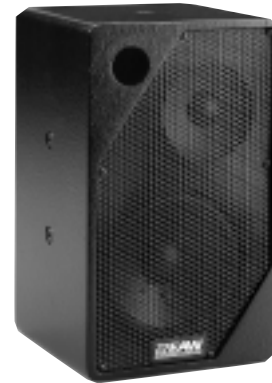
It is also a popular choice as a secondary distributed reinforcement system providing additional coverage in virtually any large scale installation such as theaters, performing arts centers, houses of worship and even arenas and stadiums. The ultra-compact enclosures can be unobtrusively mounted almost anywhere. The system includes 1/4-in threaded mounting points two of which are configured to accept an Omnimount Series 50. They are also magnetically shielded for use in immediate proximity to video monitors making them an excellent choice for any multimedia application.

Applications include:

- |             |                 |              |
|-------------|-----------------|--------------|
| MultiMedia  | Ballroom Events | Boardrooms   |
| Restaurants | Theaters        | Small Retail |

## PERFORMANCE

<b>Frequency Response (1 Watt @ 1m)</b>	
±3 db	98 Hz to 20 kHz
-10 db	60 Hz
<b>Axial Sensitivity (dB SPL, 1 Watt @ 1m)</b>	
89	
<b>Impedance (Ohms)</b>	
8	



<b>Power Handling, AES Standard (Watts)</b>	
140*	
<b>Calculated Maximum Output (dB SPL @ 1m)</b>	
Peak	116.5*
Long Term	110.5*
<b>Nominal Coverage Angles, -6 dB Points (degrees)</b>	
Conical	120
<b>Recommended High-Pass Frequency</b>	
24 dB/Octave	60 Hz

## PHYSICAL

Configuration	2-way, full range
Powering	Passive LF/HF crossover
LF Subsystem	5.25-in cone, vented
HF Subsystem	1-in soft dome tweeter
Coverage Angles	120° (conical)
Cabinet Type (shape)	Rectangular
Enclosure Materials	MDF
Finish	Black polyurethane
Connectors	2-terminal barrier strip
Suspension Hardware	(4) 1/4"-20 threaded mounting points (1 each top and bottom, 2 on "outside" to accept Omnimount Series 50)
Grille	Powder coated perforated steel

<b>Companion Systems</b>	
Sub	SB48e
Accessories	Wall Mount Bracket (HD12WM)

<b>Dimensions</b>	<b>inches</b>	<b>millimeters</b>
	Height	10.75 273
	Width	6.38 162
	Depth	6.00 152

<b>Weights</b>	<b>pounds</b>	<b>kilograms</b>
	Net Weight (each)	10 4.6
	Shipping Weight (per pair)	23 10.5



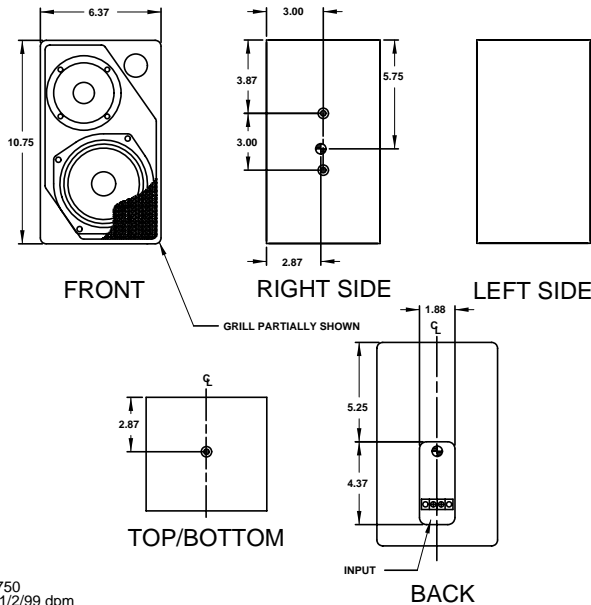


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## DIMENSIONAL DRAWING

### UB12Se

⊙ INDICATES MOUNTING POINT, 1/4-20 THREADED HOLE.  
 ⊕ INDICATES CENTER OF BALANCE.  
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



510750  
exp 1/2/99 dpm

Manufacturing tolerances are +/- 0.13 and +/- 1°

## A & E SPECIFICATIONS

The two-way full range loudspeaker system shall incorporate a 5.25-in LF transducers and a 1-in soft dome tweeter HF transducer. The system shall be available in mirror-imaged left and right channel versions.

The LF driver shall be mounted in a vented enclosure tuned for optimum low frequency response. The drivers shall be magnetically shielded for use in immediate proximity to video monitors. An internal passive filter network shall provide fourth order acoustical crossover and system equalization.

System frequency response shall vary no more than  $\pm 3$  dB from 98 Hz to 20 kHz measured on axis. Operated with a high pass filter set a 90 Hz (24 dB /octave) the loudspeaker shall produce a Sound Pressure Level (SPL) of 89 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 116.5 SPL on axis at 1 meter. The loudspeaker shall handle 140 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 8 Ohms.

The loudspeaker enclosure shall be rectangular in shape. It shall be constructed of 3/4 thickness medium density fiberboard (MDF). It shall be finished in black polyurethane. Input connectors shall be 2-terminal barrier strip. A total of four 1/4"-20 Threaded Mounting Points (1 each top and bottom, 2 on the "outside" side configured to accept an Omnimount Series 50) shall be provided. The front of the loudspeaker shall be covered with a vinyl coated perforated steel grille.

The two-way full range loudspeaker shall be the EAW model UB12Se.

\* Data indicate system performance in use with a 24 dB/oct. high-pass filter set at 90 Hz as is typical in most professional usage. Operation with the specified 60 Hz high-pass frequency will yield 100 Watts power handling and a calculated peak output of 115.0 dB SPL @ 1m.

